

New Commissioners Take Office Marking AEC's 20th Birthday

Two new members of the Atomic Energy Commission were sworn into office August 1, in ceremonies which also marked the 20th anniversary of both the Atomic Energy Act and the Joint Committee on Atomic Energy.

The new members were W. E. Johnson, who for nearly 14 years was general manager for the General Electric Company, Hanford, Washington; and Dr. Samuel M. Nabrit, president of Texas Southern University, who became the AEC's first Negro member.

President Johnson said at the ceremony that "Of the many distinguished public servants I have sworn into office since becoming President, none have come to us with better qualifications or a greater record of achievement."

The President opened his remarks by saying:

"We are here today to welcome two old friends and distinguished Americans to our official family. At the same time, we are marking the 20-year anniversary of both the Atomic Energy Act and the Joint Committee on Atomic Energy.

Peace and Progress

"By these actions in 1946, the American people pledged that atomic energy would serve not only the national defense but international peace and the progress of all mankind.

"We have done much to fulfill that pledge. Atomic power has been the shield of our security, and it has also become the symbol of hope. The Atomic Energy Commission's operating budget is about evenly divided now between non-military uses of the atom and the direct needs of national defense.

"As a result, nuclear energy is

enlarging its role in meeting our needs for electricity. We have installed capacity to meet the electrical needs of almost two million American families. We will increase that capacity more than five times within the next four years.

'Spin-Off' Cited

"The atom is also at work in medicine, agriculture, and industry. "Spin-off" from atomic development already has advanced progress in virus research. It has even uncovered ways to assure greater cleanliness in hospital operating rooms.

"Many new applications of atomic energy lie ahead. One of these is especially exciting to those of us who learned early in life the value of fresh water. It now appears that large nuclear plants can not only produce electrical power, but supplies of fresh water as well.

"About two-thirds of our planet is covered with water, yet less

Continued on Page 4

Monday Is Holiday, Labor Day For USA

Monday, September 5, is an official holiday for Y-12ers . . . as the nation pays tribute to its might and muscle, its laboring force. Labor Day is the oldest of our national holidays.

No employee is required to be at work Monday, except those whose presence is required for the continuous operation or protection of the plant.

Labor Day also officially marks the end of the summer season, as pools and resorts in the area close down for the season, and the kids all get ready to go back to school.

Enriched Uranium Leaves ORGDP

Enriched uranium valued at approximately \$3,800,000 is being shipped from the Oak Ridge Gaseous Diffusion Plant for ultimate use as nuclear fuel.

C. A. Keller, Director of the Production Division, Atomic Energy Commission's Oak Ridge Operations, said the 34,780 pounds of uranium hexafluoride has an enrichment of 3.92 per cent in uranium 235. The nuclear material is being shipped to Kerr-McGee Corporation, Guthrie, Oklahoma, for preliminary processing. It will be fabricated into fuel elements for the LaCrosse Boiling Water Reactor, Genoa, Wisconsin.

The 50,000 net electrical kilowatt power plant was built by the Allis-Chalmers Manufacturing Company and will be operated late this year by the Dairyland Power Cooperative.

BEATLEMANIA

One of the Beatles describes their music as only "adequate." When asked to explain their phenomenal success . . . he stated, "Maybe people like adequate music."

SAFETY SCOREBOARD

The Y-12 Plant Has
Operated
Six Days Or
166,000 Man-Hours
Through August 28
Without A Disabling
Injury

Phone 3-7755
(Unofficial Estimate)
For Daily Report
On Accident-Free Hours

'Plan For Progress' History Reviewed With Plant's Compliance

Management Recognizes The Spirit Of Law As Well As Its Basic Tenets In Employment

On May 29, 1962, Union Carbide Corporation entered into an agreement with the President of the United States called "Plan for Progress." The agreement included the employment policy of Union Carbide:

"It is the policy of the Corporation to afford individuals of all religions, races, colors, and national origins equal opportunity for employment, for advancement in employment, and for continuation of employment, with due regard for the relative qualifications of all involved."

While this was already the Company's policy, the signing of the Plan for Progress formally acknowledged Union Carbide's responsibilities and adherence to the broad goals of Equal Employment Opportunities. The provisions of the plan are not difficult or complicated. The Company has agreed to take affirmative action:

1. To encourage members of minority groups to compete within the framework of the above employment policy for employment, advancement in employment, and continuation in employment.

2. To encourage those individuals who wish to do so to seek opportunities for informal on-the-job training and any formal job training undertaken by Carbide.

Recruitment Includes Schools Serving Minority Groups

3. To continue to recruit at those selected higher and secondary educational institutions which will provide competitively qualified graduates with training in curricula related to the Company's needs, including those institutions serving substantial members of minority group members.

4. To compensate all employees without discrimination because of race, creed, color, or national origin.

5. To apply the procedures for making workforce reductions and recalling employees after such reductions without discrimination because of race, creed, color, or national origin.

Union Carbide will continue to take these and other affirmative actions to insure that the objectives of this Plan, now in its fifth year, are achieved. The Company's success is dependent upon each employee performing his share of the responsibility for the hiring, training, advancement, and continuation of employment of applicants and employees without regard to an individual's race, creed, color, or national origin.

UCC Board Chairman Sums Up Corporation's Position

Birny Mason Jr., Chairman of the Board of Directors of Union Carbide, summed up the Corporation's position when he said, "The general management of our Divisions and Departments join me in requesting your affirmative cooperation in accomplishing the objectives of our established employment policy and of this agreement."

Under the Plan for Progress agreement, the Atomic Energy Commission assists the Corporation in coordinating and following through on our stated fair employment objectives. AEC representatives who conduct "compliance reviews" submit reports dealing with the number and kinds of jobs held by minority individuals in the company. Such a survey was recently made in Y-12.

Moral Responsibilities Recognized Before Law Was Enacted

Nondiscriminatory hiring was made the law of the land for most major industries in the Civil Rights Law of 1965. Many other industries, in addition to Union Carbide, had recognized their moral responsibilities before the law was enacted.

Y-12's management recognizes the spirit of the law . . . as well as its basic tenets. The legal and moral responsibilities will be adhered to in all matters of employment, promotion, lay-off, recall and other matters affecting all employees.

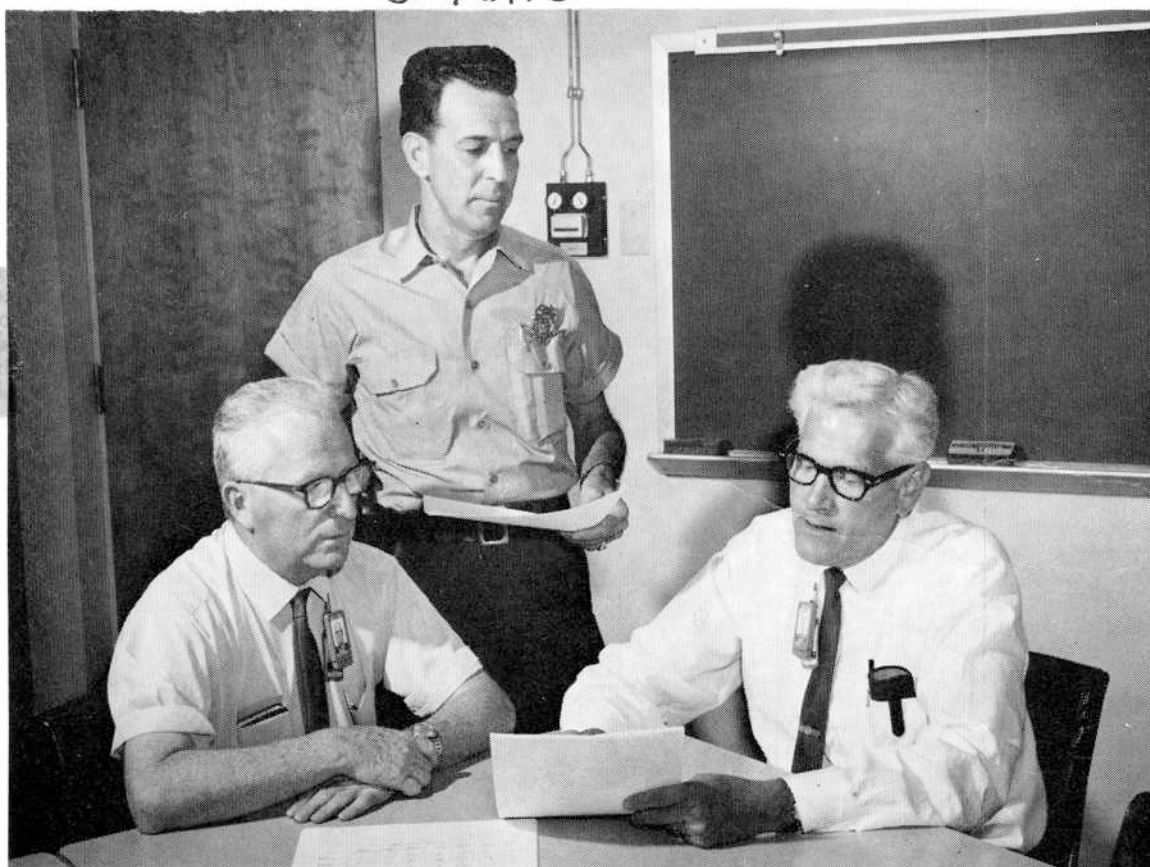
Brookhaven's Plasil Is Physics Seminar Speaker

Franz Plasil, Brookhaven National Laboratory, will be the speaker at this week's Physics Division Seminar. His subject will be "High Energy Fission of Uranium and Bismuth."

The seminar is set for Friday, September 2, at 3:15 p.m. in the East Auditorium, Building 4500.

AMERICA — AN IDEA

"France was a land, England was a people, but America, having about it still the quality of the idea, was harder to utter — it was the graves at Shiloh, and the tired, drawn, nervous faces of its great men, and the country boys dying in the Argonne for a phrase that was empty before their bodies withered. It was a willingness of the heart." F. Scott Fitzgerald.



UNITED FUND—1966 . . . already the plans are being laid for this year's drive. At right Y-12 Chairman Marvin Schwenn consults with co-chairmen concerning plans for the drive this year. At left is Norman A. O'Neal, secretary-treasurer of the Atomic Trades and Labor Council-AFL-CIO; and standing is Glenn A. Atchley, representing the International Guards of America, Local 3. The concerted once-a-year drive will be held later this fall in the plant.

The Bulletin

Published Weekly For The
Y-12 Employees Of
UNION CARBIDE
CORPORATION



NUCLEAR DIVISION

JAMES A. YOUNG Editor

Member

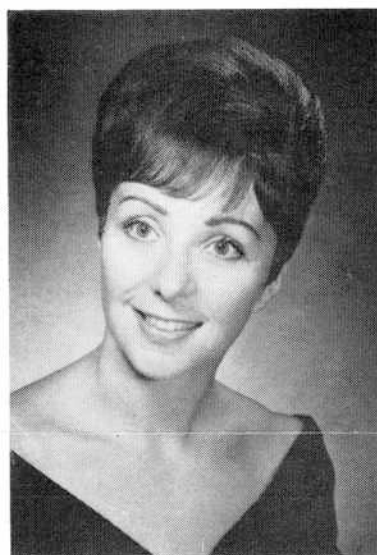


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Miss Patricia Ann Matlock

MATLOCK - DIENER

Mr. and Mrs. O. D. Matlock, 114 West Iona Circle, Oak Ridge, announce the engagement of their daughter, Miss Patricia Ann Matlock, to Mr. Thomas Edwin Diener. (Both parents of the bride-to-be are employed in the Y-12 area... the father in the Thermodynamic Division, and the mother in the Biology Division.)

Miss Matlock, a graduate of Oak Ridge High School, was awarded her BS Degree from East Tennessee State University in 1958. She was employed in Y-12 in the Production Control Department. Presently she is with the Bureau of Children's Service in the New Jersey State Welfare Department.

The prospective groom is a graduate of St. Lawrence Union College, and is presently a lieutenant in the Supply Corps of the United States Navy, stationed at the Philadelphia Naval Base. He is the son of Mrs. Fred P. Diener, 1112 SW 13th Street, Boca Raton, Florida.

The wedding is planned for Saturday, November 12, at St. Mary's Catholic Church, Oak Ridge, at 12 noon.

Lowly Potato Chip Started By Anger

It all started in the summer of 1853 at fashionable Saratoga Springs. The chef George Crumb, in anger after a customer had sent potatoes back, sliced them paper thin, doused them in cold water, then into boiling grease.

The lowly potato chip was born from these "Saratoga Chips."



September dawns, as the summer scene begins to fade. More Y-12ers cross important milestones with Union Carbide Corporation. Congratulations.

15 YEARS

Glenn H. Kindred, Timekeeping Department, August 31.

Robert H. McNabb, Special Services, August 31.

Merwyn Sanders, Radiation Safety, September 4.

Prentice D. Wirey, General Shop Inspection, September 4.

Millard C. Neeley, General Can Fabrication Shop, September 4.

Vernon C. Black, Chemical Services, September 4.

John W. Nelson, Buildings, Grounds and Maintenance Shops, September 6.

Donald R. Deatheridge, Buildings, Grounds and Maintenance Shops, September 6.

Billy B. Stone, Stores Department, September 6.

10 YEARS

Harold F. Wentworth, Civil and Architectural Engineering, September 4.

Instrument Society Meet Is Next Week

The Oak Ridge Section of the Instrument Society of America will hold its monthly meeting next Wednesday, September 7, at the Holiday Inn, Oak Ridge. There will be a social hour starting at 6 p.m., with dinner at 7.

Carl Huggins, NASA Marshall Space Flight Center, Huntsville, Alabama, will speak on "Use of Microelectronics in Television Development." He will demonstrate some of the equipment and show flight films.

Huggins was born in Corinth, Mississippi, and is a graduate of the University of Chattanooga. Since 1952 he has worked as engineer with the research and development team in Huntsville. His duties have involved the development of airborne radar and azusa equipment for the Redstone and Jupiter program, and the television used in the Mercury/Redstone vehicle which carried Ham, the chimp, on his historic flight of January 21, 1961. He is presently engaged in the development of microelectronic television equipment for use in future launch and space vehicles.

All ISA members and guests are urged to attend this interesting meeting.

Wait Is Named Consumer Exec

The appointment of Dwight N. Wait as executive vice president of the Consumer Products Division has been announced by James F. Warnell, division president.

Wait joined the corporation in 1937 in the works engineering department concerned with Eveready batteries. He served in various management capacities both overseas and in the United States for the predecessor of the present Consumer Products Division. He was appointed vice president of production for the division in 1962 and vice president of marketing in 1964. He has been vice president and general manager of automotive products since 1965. Wait is a graduate of Purdue University with the degree of BS in mechanical engineering, received in 1937.

R. A. Angel, E. B. Galloway, J C. Montgomery And H. H. Vaughn Retire From Y-12 In August

Four Y-12ers begin enjoying retirement today... as Roscoe A. Angel, Accounting and Budgets; Evan B. Galloway, Research Services; Jesse C. Montgomery, Beta Four Heavy Machine Shop; and Herschel H. Vaughn, General Machine Shop, leave today, August 31.

Roscoe A. Angel, inventory clerk, was born in Spring City, Tennessee, but has lived in Oakdale most of his life.

His early life was spent in retail sales at Oakdale, and from 1920 until 1944 he worked with the Southern Railway. He came to Y-12 early in the war years, and left in 1947... later that year he came back to Y-12, on December 17, 1947.

Married to the former Vassie Hillman, he has two sons, Robert H. Harriman, and W. B. Angel, Atlanta. His daughter, Catherine Angel, lives in Tuscaloosa, Alabama. The Angels have seven grandchildren.

"Enjoying life, just taking it easy," is Angel's plans for retirement at his Morgan County home.

A varied career in the Far West was Evan B. Galloway's history before coming to Oak Ridge March 20, 1944. He was born in Norwood, Colorado... and from 1920 until 1927 worked with the TomBoy Gold Mine Company, Telluride, Colorado. Mining in Boulder, Idaho Springs and Jerome, Arizona, occupied his time until 1942 when he went with Remington Arms, Denver. He worked there until his entrance into Y-12.

The Galloways live at 175 Outer Drive, Oak Ridge, where they enjoy bowling and relaxing with old friends. Mrs. Galloway is the former Rosalie Kaminsky.

The Galloways have five grandchildren... part of them in Oak Ridge, and part of them in Silver Springs, Maryland, where son James is with Vitro Engineering.

No immediate plans occupy Galloway's time at the present. He does state, however, that he is going to try to replace some of the crab-grass at their Outer Drive residence with real grass. They do plan to remain in Oak Ridge.

Jesse C. Montgomery, Beta Four Heavy Machine Shop, will return to his native Glade Spring, Virginia, upon his retirement.

Only Two Employers

Montgomery has been employed by only two companies during his entire life... Mathieson Alkali

Plowshare Movie Filmed By AEC

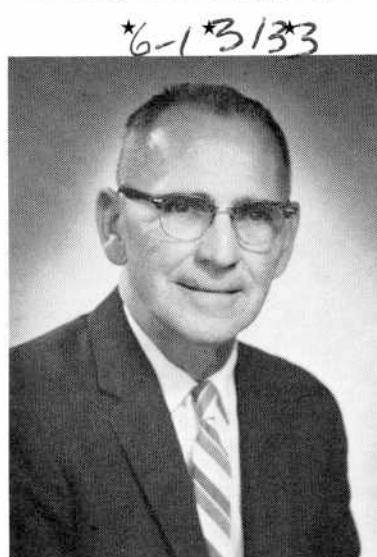
A new motion picture on the Atomic Energy Commission's program to develop peaceful uses of nuclear explosives is now available for loan to the public from the AEC here.

Entitled "Safety in the Plowshare Program," the 16-mm, 22-minute color production documents the means taken to insure the safety of the public during experiments or projects in the Plowshare Program.

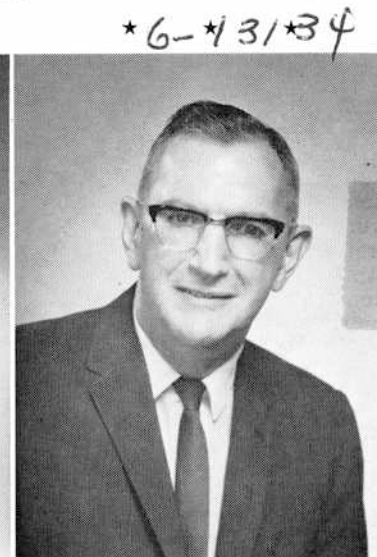
The Plowshare Program is aimed at the development of nuclear explosives as relatively inexpensive sources of energy which may help produce oil and gas, mine minerals, dig harbors, canals, and mountain passes and provide important scientific knowledge.

The film traces the steps that are taken in current underground experiments and those that would be taken in any Plowshare project.

The film is available for free loan, by contacting the Film Loan Library, AEC.



Roscoe A. Angel
6-13131



Evan B. Galloway
6-13132



Herschel H. Vaughn



Jesse C. Montgomery

Company, Saltville, Virginia... and Union Carbide Corporation. He is particularly proud of his long years of service uninterrupted with both companies. He came to K-25 in late 1944... and transferred to Y-12 July 21, 1948.

The Montgomerys have two children... James K.; and daughter Nancy Brown, Bristol, Tennessee; and seven grandchildren.

Montgomery also stated that it would be impossible to see all his friends before his departure today, but did want to express his "sincere thanks for the pleasant association for the past 22 years... both fellow employees and Carbide." He stated that he has enjoyed every minute of his association here, and wants fellow-employees to come by to see him in Glade Spring. Re-modeling the old homestead there will occupy most of his time.

Vaughn Is A Native

Herschel H. Vaughn, General Machine Shop, was born in Mon-

terey, Tennessee. From 1919 until 1940 he was associated with hosiery mills in the Chattanooga and Etowah areas. His machine shop experience began with the Wheeland Company... and he worked with the U.S. Navy on Guam and Pearl Harbor during and immediately following World War II. In 1950 he did sales and machine work around Chattanooga, coming to Y-12 October 26, 1953.

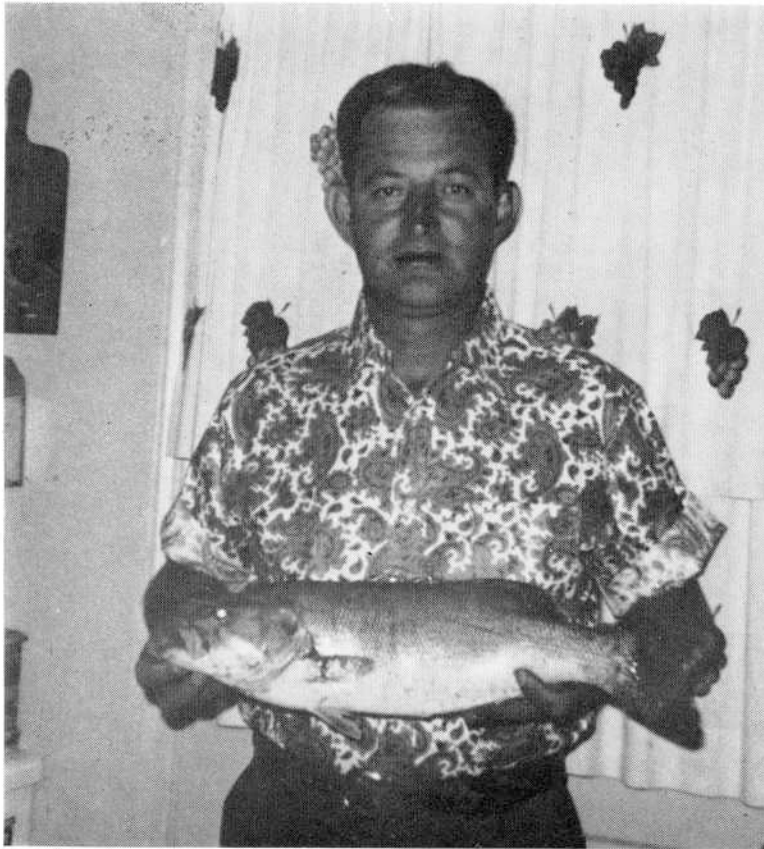
Mr. Vaughn has two sons, H. H. Jr., Birmingham; and Melvin T., Cincinnati... and two daughters, Mrs. W. A. Nichols, Derby, Kansas, and Mrs. J. T. Helton, Chattanooga.

He lives in Bayonne Hall, Oak Ridge, and plans to stick around here for the next couple of months getting caught up on fishing and just taking it easy in general.

Co-workers send their very best wishes with August's retirees.



"Sneezing spell..."



ED COOK, ELECTRICAL, displays a mighty smallmouth bass he lassoed in the early summer up around Norris. He took the big one on a spinner, armed with worms. Recreation advises that the Spring-Summer rodeo ends September 11 . . . so get your catches in. Cook's big smallmouth, however, is entered in the annual competition . . . weight and size is a big secret, of course.

Carl Dorr Takes Southwest Point Golf Tournament Firing A Low 74

Carl Dorr fired a low 74 . . . two over par . . . at Southwest Point, Kingston, Saturday to cap the final golf tournament of the year for Y-12ers. A total of 148 sportsmen turned out, as the weather, with the exception of a morning chill, proved to be a perfect day for golf.

D. E. Littleton trailed four strokes behind Dorr to win second scratch honors. He was followed by Bill Hamill, 80; and J. D. Collins, 82.

Handicap honors in the first division went to Floyd Ludwig, 71; Ernest Collins and John Sewell, 72; and Gene Huskisson and Al Sawyer, 75 each. L. W. Miller and Bill Mee each had 11 pars.

SECOND DIVISION

E. N. Rogers fired a 79 to win second flight scratch honors, followed by Glen A. Lundquist and Ed Sise, 89; D. B. Arnold, Paul Johnson and J. D. Shelton, all with 90.

Handicap lows went to Raymond Plemons, Bill Mattingly and Emerson Henck, all with 73; and

Jack Gamble and E. M. Massey, each with 78.

George Mitchel, Robert Forseman, W. C. Collins and Bill Buterini all tied with five pars each.

THIRD DIVISION

Jack Francis drove into the winning circle in the third flight, with an 83 scratch score. He was followed by Ray Riggs, 90; C. C. Cater and Avis Collins, each with 91.

Handicap lows went to Harold Alvey, 71; Charles Baxter, 74; W. D. Burger and C. J. Williams, each with 75.

Jim Morehead fired five pars; Hugh Henderson four.

FOURTH DIVISION

J. D. Culberson won the fourth flight with a low 88 . . . followed by W. R. McManus, 93; Ken Cook and Joe Pryor, 99.

Handicap lows went to D. E. Perkins, 67; C. T. Arms, 73; Mont Kendrick, 74; and E. C. Smith, 76.

Jerry Cadden parred four holes . . . Richard Loveless, Charles Harris, G. S. Pawley and Virgil Lovett scored three.

Thus, golfers wrote 'finis' to the 1966 season. You duffers come back in the Spring, hear?

Harness-Durham Horseshoe Champs

The Harness-Durham duet was crowned Horseshoe champs last week after an eight point romp over Zupan-Kendig. Meanwhile, Zupan-Kendig took a clean sweep nine point victory from Raper-Long.

Helms-Wagner won seven from Wyatt-Lucke . . . and Wyatt-Lucke took nine from Gladson-Gallman.

Raper-Long won eight from Hutto-Tillery.

Meanwhile, league officials announce a tournament to begin this week . . . at the courts.

Final standings:

Team	W	L
Harness-Durham	54	9
Leonard-Gray	50	22
Zupan-Kendig	45	27
Helms-Wagner	41	31
Bager-Luckett	40	23
Wyatt-Lucke	34	38
Raper-Long	31	41
Hutto-Tillery	15	57
Gladson-Gallman	5	67

Y-12 Braves Lead In Waning Days Of Softball Play

Pulling into the homestretch of the Softball League, the Y-12 Braves still cling to their scant lead . . . as the full schedule was played last week, plus a rained-out game.

The X-10 Mets and Ecobums made up their game Friday, August 19 . . . the Mets winning 31 to 5. Tom Tuck tucked away two homeruns for the Mets, Bob Stout struck one.

Monday's action dawned on a close one. The Naughts trimmed the K-25 Sports 10 to 9 in one that was decided in the final moments of the game. Bill Fulkerson tripled and homered to be the big stick for the winning Naughts.

Eagles Down Clowns

Y-12's Eagles downed the Clowns 7 to 2 in game number two. Hugh Richards and Frank Koon clouted four-baggers for the winning Y-12 team . . . as the Eagles soared over the Clowns 12 hits to 7.

The X-10 Mets, evening their average to a 500 mark, defeated the Sluggers 11 to 5. Alex Merion homered twice and Bob Steffey once for the mean Mets.

Tuesday's action began with no action . . . as the Y-12 Falcons took a forfeit win from the aBt Boys . . . the BB crowd failing to field a team.

Isotopes-Reactor romped over Y-12's Big Shops 21 to 3 in an all-out raid. Herman Thomas and Butch Armistead both came through with two round-trips home. The I-R team collected 22 hits from the battery of Law and Scruggs.

Red Devils Romp

ORNL's Red Devils, in close second place, played the Peanuts for a 43 to 6 victory . . . with almost everyone on the RD team collecting a homer . . . Charlie Dunn, with three; Jim Carter and Hollis Stakes, two each; and Dave Smith, one.

Thursday's action saw history made as the Fireguards, from Y-12, won their first season win . . . trimming the Ecobums 13 to 7. A. C. Wright collected three big homers, Jim Disney, one.

Another close one marked Thursday's action . . . as the Bio team slipped by the Health Physics team 11 to 10. Ed Bailiff bashed a homer for the winners; Don Taylor for the losers.

Braves Win Again

Top-seeded Braves took the K-25 Mets 15 to 8 . . . outhitting the K-25 crowd almost two to one. Ray Riggs, Conrad Strike and Jim Milligan all poled long homers for the big team.

(The remaining foes for Y-12's Braves are the Ecobums — this week — and the K-25 Sports next. The Red Devils must play the Bat Boys and Clowns. ORNL's Isotopes-Reactor team faces the X-10 Mets.)

League standings follow:

Team	W	L
Braves, Y-12	14	1
Red Devils, ORNL	13	1
Isotopes-Reactor, ORNL	14	2
Health Physics, ORNL	11	4
K-25 Mets	11	4
Eagles, Y-12	11	5
Bio, ORNL	8	7
Bat Boys, Y-12	8	8
X-10 Mets	8	8
K-25 Sports	7	7
Clowns, ORNL	6	9
Naughts, ORNL	6	9
Falcons, Y-12	6	10
Ecobums, ORNL	5	10
Sluggers, ORNL	4	12
Peanuts, ORNL	3	13
Big Shops, Y-12	3	13
Fireguards, Y-12	1	14

NEW CONCRETE

A new lead concrete, the first such high density material capable of installation by mass production methods, has been formulated for use as shielding against intense radiation.

Remember Insurance Card On Vacation

Besides taking your family and possibly the family pet along with you on vacation you might also take along your insurance identification card.

Not that it's hoped you get ill or have an accident, it's just that the card will eliminate a lot of red tape in case trouble does come along. Hospitals throughout the area will recognize your insurance card . . . and admit you without deposit and fuss and bother.

WAY-OUT TREE

The only tree in a thousand mile area is in an oasis at Tenere in the Sahara Desert. Its roots obtain water by extending down 100 feet into the earth.



RECENT SKEETERS enjoy a balmy Sunday afternoon at the Oak Ridge Sportsman's Association. Kneeling are H. B. Prewett, from left, Fred Welfare and R. A. Allstun. Standing are J. Barton, F. S. Patton, H. D. Wills, W. H. Davy and Charlie Asmanes. The Skeet group always welcomes new firers to their ranks. The next shoot is set for Sunday, September 4.

Recreation



Sunday, September 4

SKEET TOURNAMENT: 1 p.m., Oak Ridge Sportsmen's Association.

Monday, September 5

LABOR DAY: Holiday in Y-12.

Tuesday, September 6

SOFTBALL LEAGUE, beginning 6 p.m., Pinewood Park. K-25 Sports vs. Fireguards; Red Devils vs. Clowns; Naughts vs. Bio.

TENNIS: To be arranged by individuals as per schedule.

PHYSICAL FITNESS: 7:30 p.m., Oak Ridge High School Gymnasium.

Wednesday, September 7

SMALLBORE RIFLE LEAGUE: 7 p.m., Clinton Indoor Range.

Thursday, September 8

SOFTBALL LEAGUE, beginning 6 p.m., Pinewood Park. K-25 Mets vs. Ecobums; Braves vs. K-25 Sports; Red Devils vs. Health Physics.

BOWLING: Classic League, 5:45 p.m., Ark Lanes.

PHYSICAL FITNESS: 7:30 p.m., Oak Ridge High School Gymnasium.

BIG DENTAL BILL

John Greenwood, dentist to George Washington, used ivory from the teeth of hippopotamuses for artificial teeth.



"Now that my secretary has decided to stay on a while longer, I don't have anything to wish for."

Skeet Shoot Set Sunday At 1 p.m.

The next Skeet Tournament is set for next Sunday, September 4. Firing gets underway at 1 p.m. at the Oak Ridge Sportsman's Association.

Newcomers are always welcome at the competition . . . and scoring is done with handicap to give the novice a fair shake.

Instructions in shooting the skeet are available . . . and guns can be borrowed from the experts.

So, if it's Skeet you wish to shoot . . . come on out.

The entire squad of old-timers will make you welcome at the Skeet Tournament.

That's Sunday, September 4 . . . at 1 p.m.

Thurber Carnival Tryouts Next Week

The new theatre season will begin in Oak Ridge next week. The Playhouse announces tryouts for a **THURBER CARNIVAL** next Tuesday and Wednesday, September 6 and 7, at 7:30 p.m. at the Oak Ridge Playhouse.

Stage Director Paul Ebert says that the opening show, which is a "sort of a revue" made up of pieces written and drawn by the late James Thurber, can use almost any number of men and women in its cast. The tryouts are open to everyone regardless of past theatre experience, and Ebert notes that **CARNIVAL** is especially suited to people who would like to appear in a show but are short on time during the rehearsal period. The show will begin rehearsals on September 12 and will play a minimum six performances in mid-October.

On Sunday, September 11, from 7:30 until 10 p.m., the Playhouse will hold its annual Open House and General Tryout, at which time the group will show off its new rehearsal room, costume shop, office and lounge which have been built into the space formerly occupied by the post office. Preliminary tryouts for all of the plays this coming season will also be held.

SHOCKING DISCOVERY

How electricity was discovered . . . Ben Franklin asked a young girl for a date . . . she retorted: "Go fly a kite!"

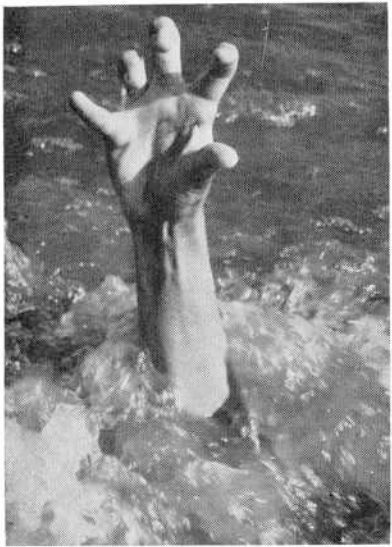
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Non-Swimmer Doesn't Have to Drown As Red Cross Gives Techniques

Just because you can't swim doesn't mean you have to drown. One sure way of preventing drowning, of course, is don't go near the water! But there are many ways to prevent accidental drowning, even though the victim-to-be can not swim a stroke, says the American Red Cross.



When a bather is in trouble near a dock or close to the edge of the pool or pond, try the following:

1. Lie down, extending the upper part of your body over the water. Grasp the victim's wrist and slowly draw him to safety.
2. Extend a towel, shirt, branch, or pole to the victim. Brace yourself to avoid being pulled into the water. Use a steady, even pull to draw the victim to safety.
3. Stand on one end of a rope attached to a buoy, and, using an underhand swing, throw the buoy beyond the victim. Draw the buoy to the victim, and, when he has grasped it pull him slowly to safety.

If a bather steps into deep water, the Red Cross recommends the following possible means of rescue:

1. Wade to chest depth, incline your body toward shore, and grasp the back of the bather's wrist. Backing up slowly, pull him to safety.
2. Shove a board, plank, or similar floating object to the victim. Get help to bring him to safety.
3. Row a boat to the victim and turn so that he can grasp the stern. Row and tow him to safety.
4. If you have rowed to the vicinity of a victim who is struggling, extend an oar to support him and draw him to the stern. Row to safety.

Obviously, there are still times when a swimming rescue is necessary. That is why the American Red Cross continues to stress the slogan of Commodore Longfellow, founder of the water safety program: "Every American a Swimmer — Every Swimmer a Lifesaver." Red Cross water safety courses range from beginner swimming to senior lifesaving. Call your local chapter to ask about instructions available in this area.

Finger Accident Brings 6th Lost-Time Mishap

The sixth lost-time accident of the year followed the fifth in Y-12 by a mere week. The latest mishap occurred Monday, August 22. An employee in the Metal Preparation Division lost part of his thumb and forefinger (left hand) and sustained other fractures. He caught his fingers in the dogs of a shearing machine.

The sixth lost-time accident brought to an end a series of six days worked without a disabling injury, or approximately 166,000 man-hours.

When a woman lowers her voice, it's a sign she wants something. When she raises it, it's a sign she didn't get it.

New AEC Commissioners

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than one per cent is water we can use in our daily lives. More than 97 per cent is in the oceans. Another two per cent lies frozen in glaciers and ice-caps. And much of the one per cent that comes to us as rain or snow is wasted before we can use it.

Water Demands Increase

"In the next 20 years the world's demand for fresh water will double. We must learn how to use and re-use our water supplies over and over again. We will have to develop large-scale, efficient and economic desalting plants.

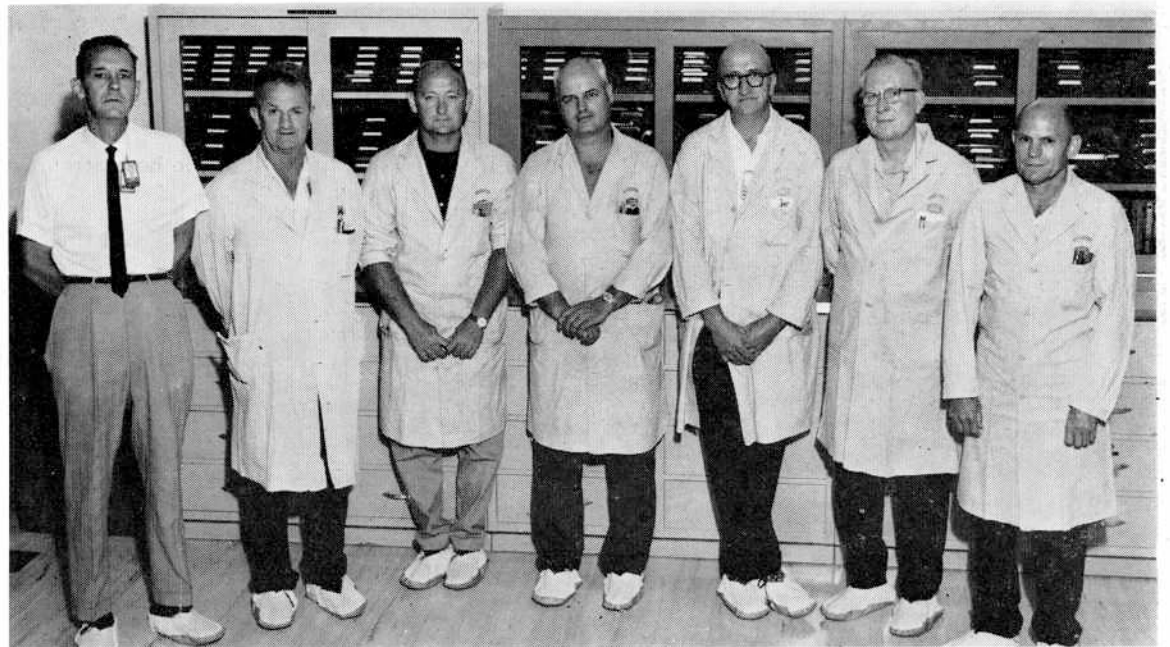
"We must learn to use the atom to provide the energy for those plants, and we must use that knowledge and that energy as a part of a massive international effort to solve man's need for water.

"This is only one of the challenges which faces our Atomic Energy Commission today. Your work, Dr. Nabrit and Mr. Johnson, is cut out for you."

Commissioner Johnson, predicted at the ceremony that the Pacific Northwest will rely on nuclear power for new production after 1975. He said atomic energy will be found to be the cheapest source of power after the Northwest's hydroelectric sites are all developed a decade from now.

Favorable Weather Is No Advantage In Driving

Favorable weather is no safeguard against highway accidents, warns The Travelers Insurance Companies. Most accidents occur during clear, dry weather . . . with excellent highway conditions.



EVENING SHIFT PERSONNEL in the Gage Certification Lab are, from left, Chester Rea, S. G. Gallman, Bobby Skeen, W. T. Arrowood, R. L. Coffey, W. J. Mackley and K. C. Burgess. Gage Certification was originally part of the Inspection Department, and became part of the Quality Control Department in 1961. The sterling safety record established by this group is the envy of the entire plant.



THE GAGE CERTIFICATION LABORATORY is proud of their no serious injury record established throughout the years. Day shift folks kneeling are, from left, W. L. Seaver, John Jordan, Jimmy Rolston, M. L. Pendley. Standing in the front row are B. E. Blackburn, L. D. Johnson, Sam Russell, Dave Allison, Joe Pryson and C. R. McGinnis. In the back row are Bill Turner, E. W. Smith, L. W. Albright, E. A. Powell, R. J. Brown, Claude Williams, R. W. Hayes and E. F. Gambill. (Not present when the two photographs were made were J. L. Ledgerwood, B. M. Burris, W. O. Davis, E. P. Henry, L. K. Dickey, M. G. Dyer, R. H. Gillespie, Fred Herrin and D. L. Holbert.

Taft Complex Unit On-Stream Soon

The first unit to start production at Union Carbide's large Taft, Louisiana, petrochemical complex — an ethylenamines unit — is scheduled to go on-stream this month.

This facility will double Union Carbide's production capacity for ethylene diamine, diethylene triamine, tetramine and tetraethylene pentamine. Principal uses of these chemicals are in the making of agricultural chemicals, crease-resistant resins for textiles, wet strength resins for paper, sequestrants, gasoline and motor oil additives, and polyamide resins.

The plant incorporates new technology developed by Union Carbide which improves the manufacturing process and provides a higher degree of quality control.

NO FALLS AT NIAGARA

Niagara Falls failed to fall one day in history . . . March 29, 1848. Heavy winds started the Lake Erie ice field in motion and tons of ice jammed the river's entrance near Buffalo, damming the river for almost 30 hours.



Will join car pool from West Hills, Knoxville, to North or East Portal, straight day. June Zachary, plant phone 3-5805, home phone Knoxville 588-0966.

ASTME Meeting Set At Dwarf Restaurant

The American Society of Tool and Manufacturing Engineers, Knoxville-Oak Ridge Chapter 107, meets tomorrow. The meeting is set for Thursday, September 1, at the Dwarf Restaurant, Knoxville. Dinner will be served at 7 p.m. and the technical meeting will begin at 8.

Speaker will be Dick Lata, sales engineer for the Pratt and Whitney Company, Inc. He will speak on "Taps and Tapping and Why So Many Different Kinds of Taps."

All ASTME members and guests are invited.

Like They Said — To Paducah By Boat!

According to The Carbide Kentuckian . . . the Cothrons arrived safely in Paducah. Ed and Jeanne, well-known Y-12ers, recently returned to their native Kentucky.

Both stated they were going to use a unique mode of transportation back home . . . a houseboat. Now it has been confirmed. They motored down the Tennessee River . . . through the maze of TVA dams . . . home again. The trip took a total of seven days. Ed's mother and father . . . plus the kids . . . plus another family made the trip, hale and hearty.

Desalting Plant Is Planned For Keys

Contracts for a 2,620,000-gallon-a-day water desalting plant have been let by the Florida Keys Aqueduct Commission. It is believed to be the first commercial installation to supply a community's water needs. Key West and the lower Keys now obtain their water supply from the U.S. Navy. The desalting plant will be built by Westinghouse Electric Corporation.